

Serial No. 09/647,832

Amendment dated August 20, 2004

Reply to Office Action of May 20, 2004

Amendments to the Claims:

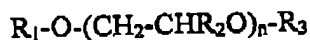
This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-15 (canceled).

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16. (currently amended) A liquid disinfecting composition comprising an effective disinfecting amount of a disinfecting material, wherein the disinfectant material comprises a peroxygen bleach, and one or a mixture of poly (alkylene glycol) ethers having the following formula:



wherein  $R_1$  and  $R_2$  are each independently ~~hydrogen or~~ a substituted or unsubstituted, saturated or unsaturated, linear or branched hydrocarbon chain having from 1 to 30 carbon atoms or a hydroxy bearing linear or branched hydrocarbon chain having from 1 to 30 carbon atoms, or  $R_2$  is hydrogen.  $R_3$  is a substituted or unsubstituted, saturated or unsaturated, linear or branched hydrocarbon chain having from 1 to 30 carbon atoms or a hydroxy bearing linear or branched hydrocarbon chain having from 1 to 30 carbon atoms, and  $n$  is greater than 2; ~~wherein  $R_1$  and  $R_2$  cannot both be hydrogen.~~

17. (currently amended) The composition according to claim 16, wherein  $R_1$  and  $R_2$  each independently are ~~hydrogen or~~ a substituted or unsubstituted, linear or branched, alkyl group or alkenyl group having from 1 to 16 carbon atoms, or a hydroxy bearing linear or branched alkyl group or alkenyl group having from 1 to 16 carbon atoms, or  $R_2$  is hydrogen.  $R_3$  is a substituted or unsubstituted, linear or branched, alkyl group or alkenyl group having from 1 to 16 carbon atoms, or a substituted or unsubstituted, saturated or unsaturated, linear or branched aryl group having 6 to 16 carbon atoms, or a hydroxy bearing linear or branched alkyl group or alkenyl group having from 1 to 16 carbon atoms, and  $n$  is from 3 to 2300.

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18. (currently amended) The composition according to claim 16 wherein  $R_1$  is methyl,

and  $R_2$  ~~is are independently~~ hydrogen or methyl,  $R_3$  is butyl, and  $n$  is from 3 to 10.

19. (previously presented) The composition according to claim 16 wherein the poly (alkylene glycol) ether or mixture of poly (alkylene glycol) ethers is present at a level of from 0.001% to 10% by weight of the total composition.

20. (previously presented) The composition according to claim 16 wherein the disinfecting material further comprises a component selected from the group consisting of antimicrobial essential oils and actives thereof, quaternary ammonium compounds, paraben, aldehydes, phenolic compounds, alcohols, organic acids, chlorine-type bleaches, and mixtures thereof.

21. (previously presented) The composition according to claim 16 wherein the peroxygen bleach comprises hydrogen peroxide or a water soluble source thereof selected from the group consisting of percarbonates, persilicates, persulphates, perborates, peroxyacids, dialkylperoxides, diacylperoxides, preformed percarboxylic acids, organic and inorganic peroxides, organic and inorganic hydroperoxides, and mixtures thereof.

22. (previously presented) The composition according to claim 16 wherein the composition comprises up to 20% by weight of the total composition of the peroxygen bleach.

23. (previously presented) The composition according to claim 20 wherein the antimicrobial essential oil or an active thereof is selected from the group consisting of thyme oil, lemongrass oil, citrus oil, lemon oil, orange oil, ajowan oil, anise oil, clove oil, aniseed oil, cinnamon oil, geranium oil, rose oil, lavender oil, citronella oil, eucalyptus oil, peppermint oil, mint oil, camphor oil, sandalwood oil, cedar oil, rosmarin oil, pine oil,

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vervain oil, fleagrass oil, lemongrass oil, ratanhia oil, thymol, eugenol, menthol, carvacrol, verbenone, eucalyptol, cedrol, anethol, pinocarvone, geraniol, hinokitiol, berberine, ferulic acid, cinnamic acid, methyl salicylic acid, methyl salicylate, terpineol, limonene and mixtures thereof, or a mixture thereof.

24. (previously presented) The composition according to claim 23, wherein the antimicrobial essential oil or active thereof is selected from the group consisting of thyme oil, ajowan oil, citronella oil, clove oil, cinnamon oil, geranium oil, eucalyptus oil, peppermint oil, mint oil, thymol, eugenol, verbenone, eucalyptol, terpineol, cinnamic acid, methyl salicylic acid, limonene, geraniol or a mixture thereof.
25. (previously presented) The composition according to claim 20 wherein the antimicrobial essential oil or active thereof, or a mixture thereof is present in the composition at a level up to 20% by weight of the total composition.
26. (previously presented) The composition according to claim 16 wherein said composition further comprises surfactant up to a level of 50% by weight of the total composition.
27. (previously presented) The composition according to claim 26, wherein the surfactant is selected from the group consisting of anionic surfactants, amphoteric surfactants and mixtures thereof.
28. (previously presented) The composition according to claim 26, wherein the surfactant comprises amine oxide surfactant, betaine surfactant, sulfobetaine surfactant, C8-C16 alkyl sulfonate, C7-C16 alkyl sulfate or C7-C16 alkyl alkoxyated sulfate.

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29. (previously presented) The composition according to claim 16 which further comprises a component selected from the group consisting of chelants, solvents, pH buffers, builders, stabilisers, bleach activators, soil suspenders, dye transfer agents, brighteners, perfumes, anti dusting agents, enzymes, dispersant, dye transfer inhibitors, pigments, radical scavengers, dyes, and mixtures thereof.

30. (previously presented) The composition according to claim 16, wherein the pH of the composition is not more than 12.

31. (previously presented) The composition according to claim 30, wherein the pH of the composition is between 2 and 9.

32. (previously presented) The composition according to claim 16, wherein the composition is packaged in a spray dispenser.

33. (previously presented) A wipe impregnated with a disinfecting composition according to claim 16.

34. (previously presented) A process of disinfecting a hard-surface with a composition according to claim 16, wherein the process comprises the step of applying the composition before optionally rinsing the hard-surface.

35. (previously presented) The process of disinfecting a hard-surface according to claim 34, wherein the composition is applied in its neat liquid form.

36. (previously presented) The process of disinfecting a hard-surface according to claim 34, wherein the composition is diluted at a dilution level of up to 100 times its weight of water.

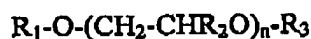
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37. (previously presented) A liquid disinfecting composition comprising an

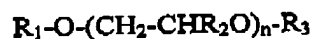
effective disinfecting amount of a disinfecting material and one or a mixture of poly (alkylene glycol) ethers having the following formula:



wherein  $R_1$  and  $R_2$  are each independently a substituted or unsubstituted, saturated or unsaturated, linear or branched hydrocarbon chain having from 1 to 30 carbon atoms or a hydroxy bearing linear or branched hydrocarbon chain having from 1 to 30 carbon atoms or  $R_2$  is a hydrogen,  $R_3$  is a substituted or unsubstituted, saturated or unsaturated, linear or branched hydrocarbon chain having from 1 to 4 carbon atoms or a hydroxy bearing linear or branched hydrocarbon chain having from 1 to 4 carbon atoms, and  $n$  is greater than 2.

38. (currently amended) ~~A liquid disinfecting~~ The composition according to claim 16, comprising an effective disinfecting amount of a disinfecting material, wherein the disinfecting material comprises a peroxygen bleach, and 0.001% to 10%, by weight of the total composition, of a component selected from the group consisting of poly (propylene glycol) mono butyl ether, poly(ethylene glycol-co-propylene glycol) mono butyl ether, poly (ethylene glycol) dimethyl ether, poly (ethylene glycol-co-propylene glycol) dimethyl ether, poly (ethylene glycol) stearate and mixtures thereof.

39. (previously presented) A liquid disinfecting composition comprising an effective disinfecting amount of a disinfecting material, wherein the disinfecting material comprises a peroxygen bleach, and one or a mixture of poly (alkylene glycol) ethers having the following formula:



wherein  $R_1$  and  $R_2$  are each independently a substituted or unsubstituted, saturated or unsaturated, linear or branched hydrocarbon chain having from 1 to 30 carbon atoms or a

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hydroxy bearing linear or branched hydrocarbon chain having from 1 to 30 carbon atoms or

$R_2$  is a hydrogen,  $R_3$  is a substituted or unsubstituted, saturated or unsaturated, linear or

branched hydrocarbon chain having from 1 to 4 carbon atoms or a hydroxy bearing linear or

branched hydrocarbon chain having from 1 to 4 carbon atoms, and  $n$  is greater than 2.

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